

10/528674

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Express Mail No. ER 933583625 US

Docket No. 21406 US C038435/0185659

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE ACTING AS
DESIGNATED/ELECTED OFFICE (DO/EO/US) UNDER THE PATENT
COOPERATION TREATY CONCERNING A FILING UNDER 35 U.S.C. § 371

In re Application of:)

Tatsuo HOSHINO *et al.*)

Based on Int'l Application No.: PCT/EP2003/010572) Examiner: Not yet assigned

International Filing Date: 23 September 2003) Art Unit: Not yet assigned

Filed: Herewith)

For: **TRANSCRIPTIONAL ACTIVATOR GENE**)
FOR GENES INVOLVED IN COBALAMIN
BIOSYNTHESIS

New York, New York
March 23, 2005

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record the following documents (clean copies and a Form PTO-1449 listing the documents are enclosed). The following documents were cited in the International Search Report, mailed March 16, 2004 in the International application corresponding to the above-captioned case.

U.S. PATENT DOCUMENTS

	<u>Document No.</u>	<u>Date</u>
A1	5,691,163	11/25/1997

FOREIGN PATENT DOCUMENTS

	<u>Document No.</u>	<u>Date</u>	<u>Country</u>
B1	WO 94/13813	6/23/1994	PCT
B2	WO 99/67356	12/29/1999	PCT
B3	2 780 733	1/7/2000	France

OTHER DOCUMENTS

- C1 Capela, D. et al., "Analysis of the Chromosome Sequence of the Legume Symbiont *Sinorhizobium Meliloti* Strain 1021," PNAS, v. 98, no. 17, pp. 9877-9882 (2001).
- C2 Raux, E. et al., "Salmonella Typhimurium Cobalamin (Vitamin B₁₂) Biosynthetic Genes: Functional Studies in *S. Typhimurium* and *Escherichia Coli*," Journal of Bacteriology, v. 178, no. 3, pp. 753-767 (1996).
- C3 Bobik, T.A. et al., "A Single Regulatory Gene Integrates Control of Vitamin B₁₂ Synthesis and Propanediol Degradation," Journal of Bacteriology, v. 174, no. 7, pp. 2253-2266 (1992).
- C4 Chen, P. et al., "The End of the *cob* Operon: Evidence that the Last Gene (*cobT*) Catalyzes Synthesis of the Lower Ligand of Vitamin B₁₂, Dimethylbenzimidazole," Journal of Bacteriology, v. 177, no. 6, pp. 1461-1469 (1995).
- C5 Rodionov, D.A. et al., "Comparative Genomics of the Vitamin B₁₂ Metabolism and Regulation in Prokaryotes," Journal of Biological Chemistry, v. 278, no. 42, pp. 41148-41159 (2003).
- C6 Capela, D. et al., EMBL Database Abstract No. XP-002271918 (2001).

Document B1 is not in English. Therefore, an English language equivalent is being provided as document A1. Document B3 is also not in English. Therefore, an English language equivalent is being provided as document B2.

The Examiner's independent consideration of all of these documents and their relevance before issuance of the first official action is respectfully requested. The Examiner is also requested to initial and return a copy of the accompanying form PTO-1449 to evidence such consideration.

Copies of the International Search Report and International Preliminary Examination Report are included herewith.

This Information Disclosure Statement is being filed in accordance with the provisions under 37 C.F.R. §1.97(b)(2), within three months of the date of entry of the national stage of the national application. Accordingly, no fee is believed to be due. If, however, a fee is due, please charge the same to Deposit Account No. 02-4467. A duplicate copy of this sheet is enclosed.

If the Examiner has any questions regarding this paper, please contact the undersigned attorney.

Respectfully submitted,

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Form PTO-1449 (Rev.)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 21406 US C038435/0185659	INTERNATIONAL APPLICATION NO. 10/528674 PCT/EP2003/010572
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Tatsuo HOSHINO <i>et al.</i>	
		INTERNATIONAL FILING DATE 23 September 2003	GROUP Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	U.S. Patent Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A1	5,691,163	11/25/1997	Cameron <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

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							Yes	No
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	C1	Capela, D. <i>et al.</i> , "Analysis of the Chromosome Sequence of the Legume Symbiont <i>Sinorhizobium Meliloti</i> Strain 1021," <u>PNAS</u> , v. 98, no. 17, pp. 9877-9882 (2001).
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EXAMINER		DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		